

**ABSTRACT**

The present invention relates to the use of extracts and compounds of plants from the *Allium* genus for the food and agrifood industry consisting of being  
5 used as food preservatives for humans and animals, plants being harvested or post-harvest plants, as well as for environmental disinfection, using thiosulfinates, thiosulfonates, ajoene, vinyl dithiins and products resulting from the decomposition of  
10 thiosulfinates.